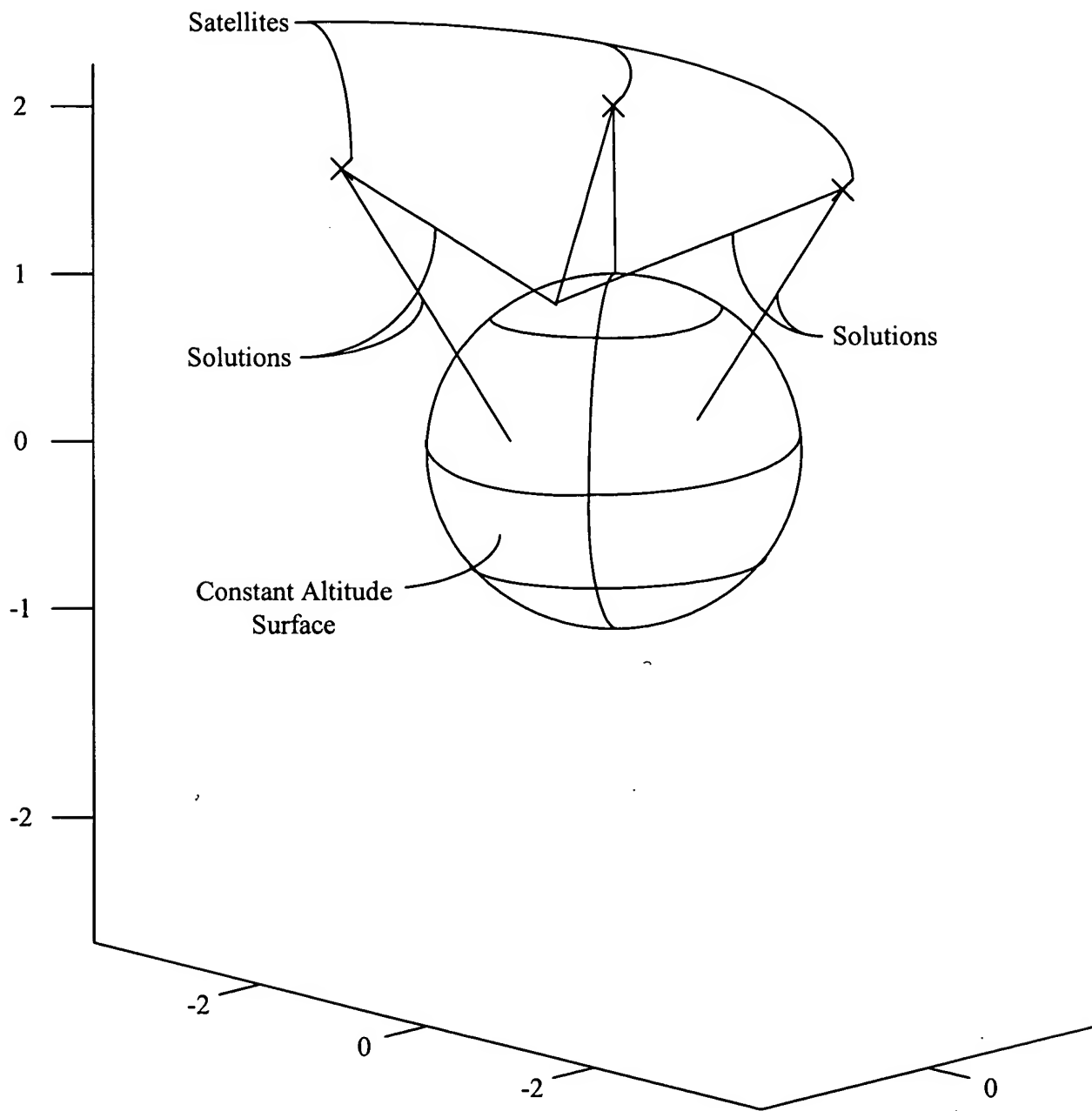




FIG. 1



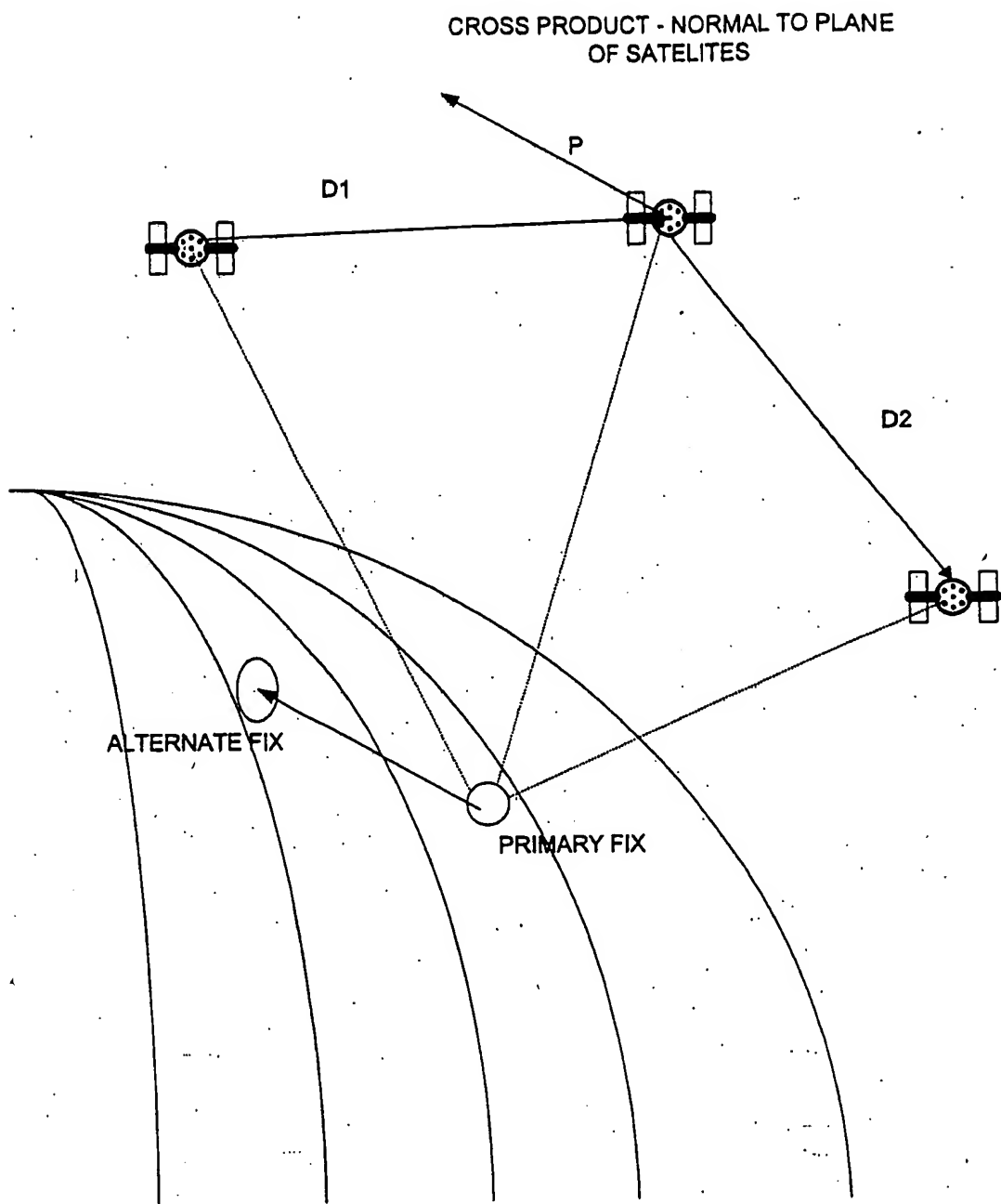


FIG. 2

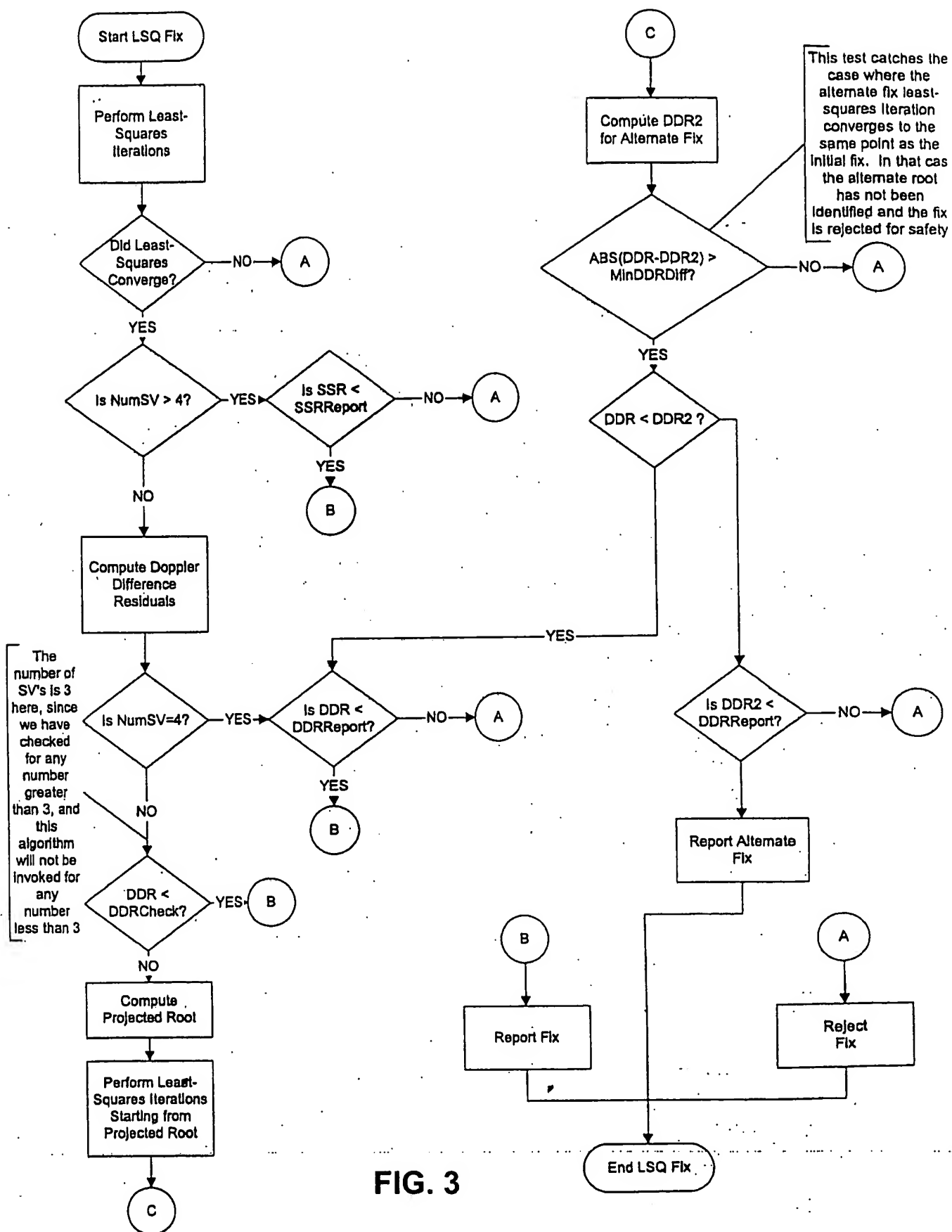


FIG. 3

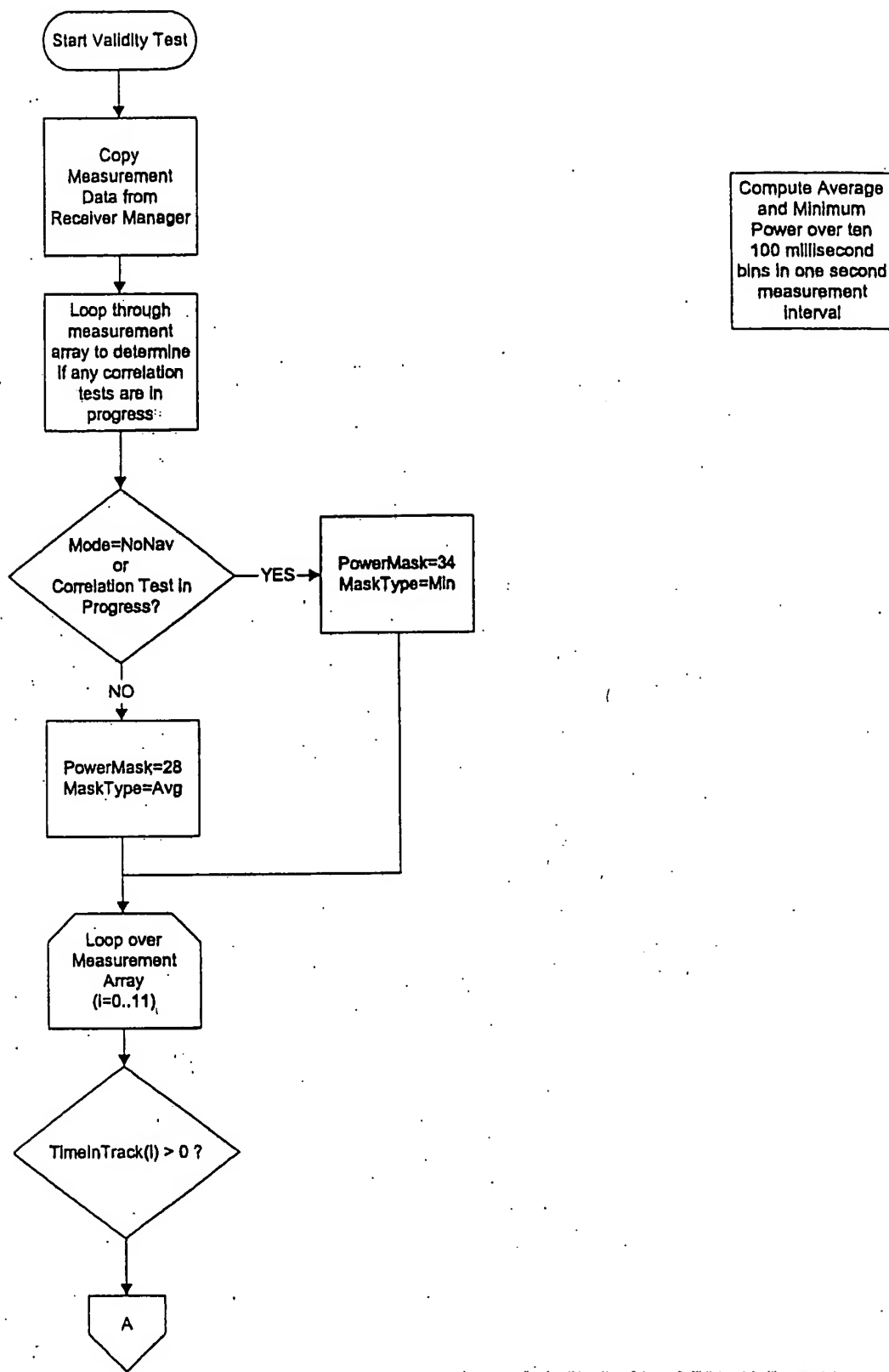


FIG. 4A

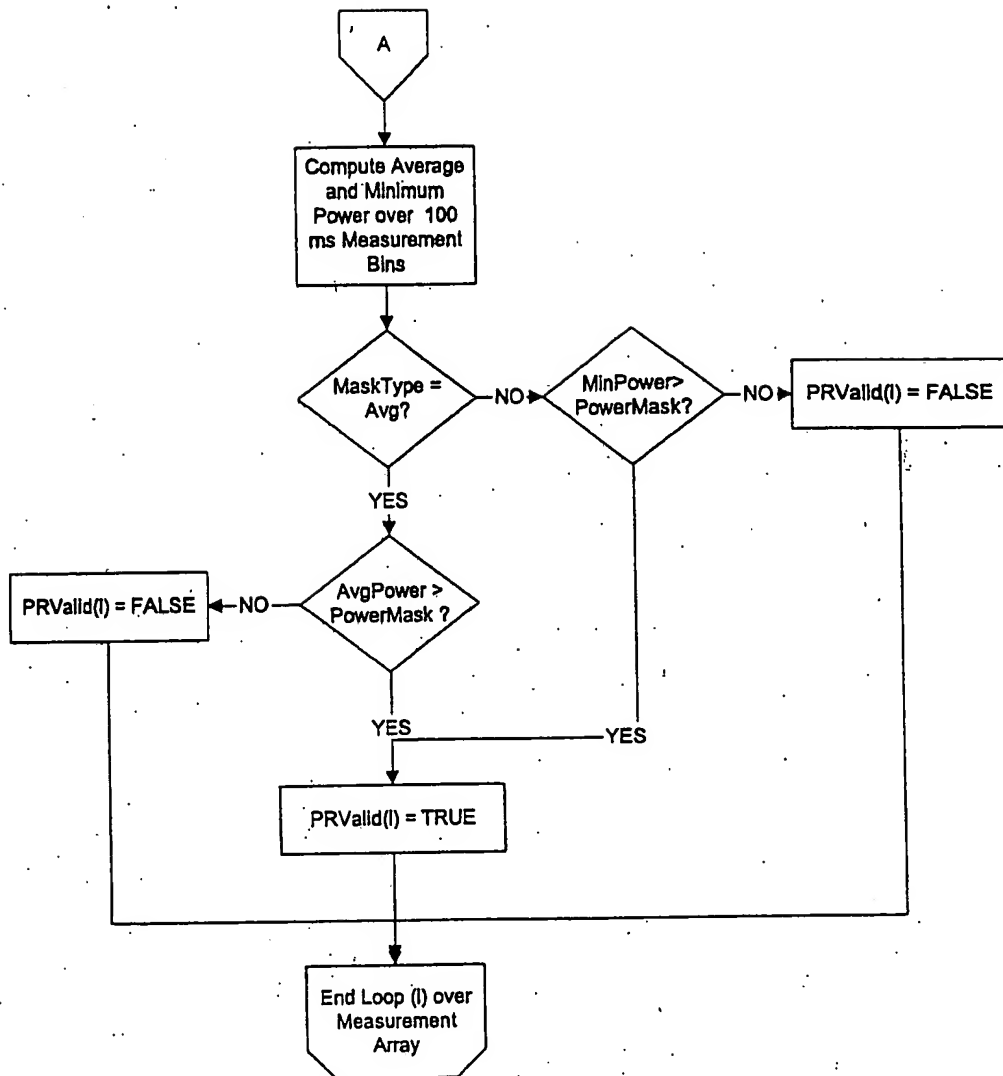


FIG. 4B

Nav Library DGPS Mode Selection
Executed before measurement processing in each navigation cycle

Assuming Nav DGPS Degraded Timeout = 0

Start with UseDGPS = True or False from Last Nav Cycle

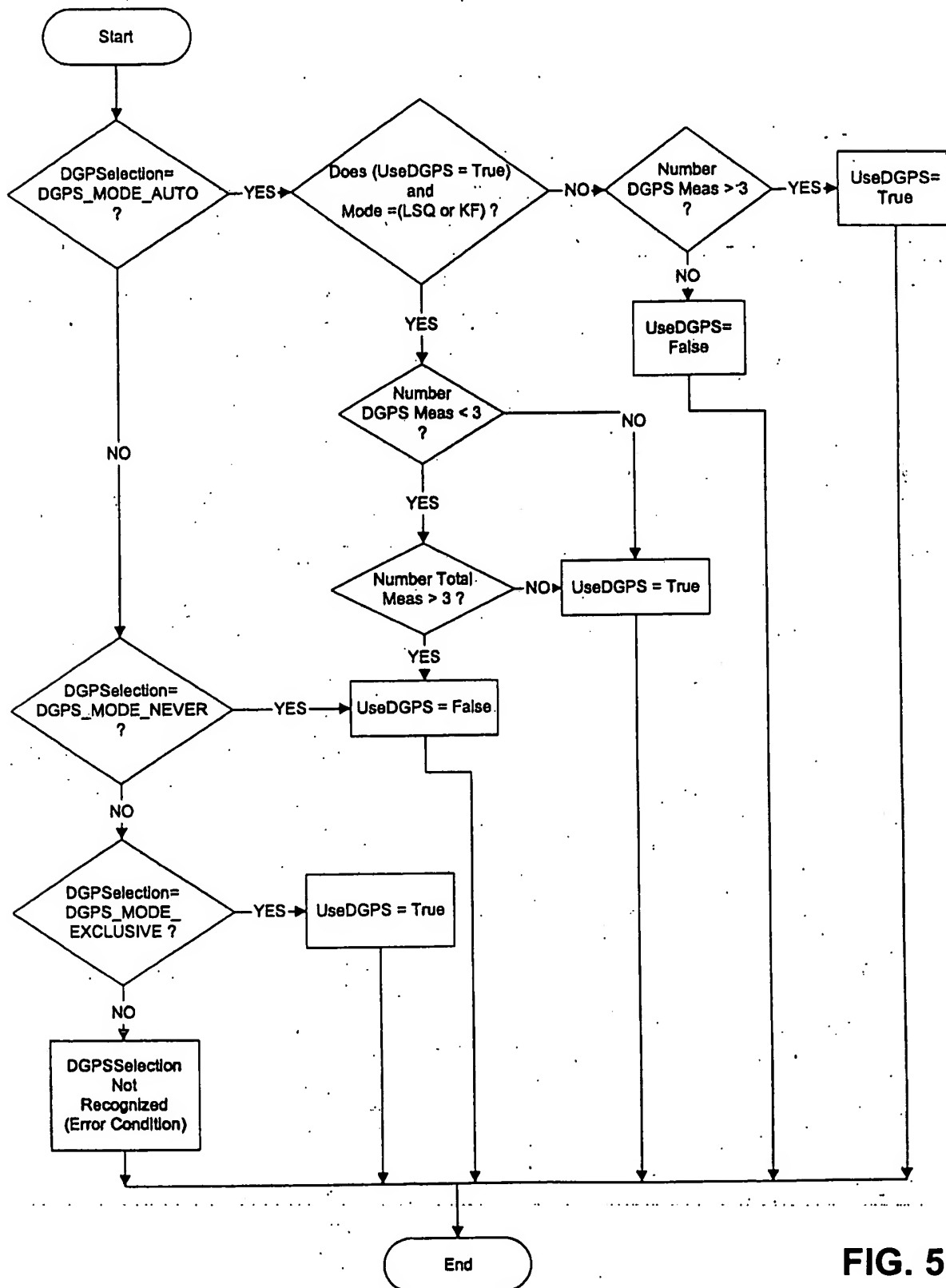


FIG. 5

Nav Filter Degraded Modes & Dead Reckoning

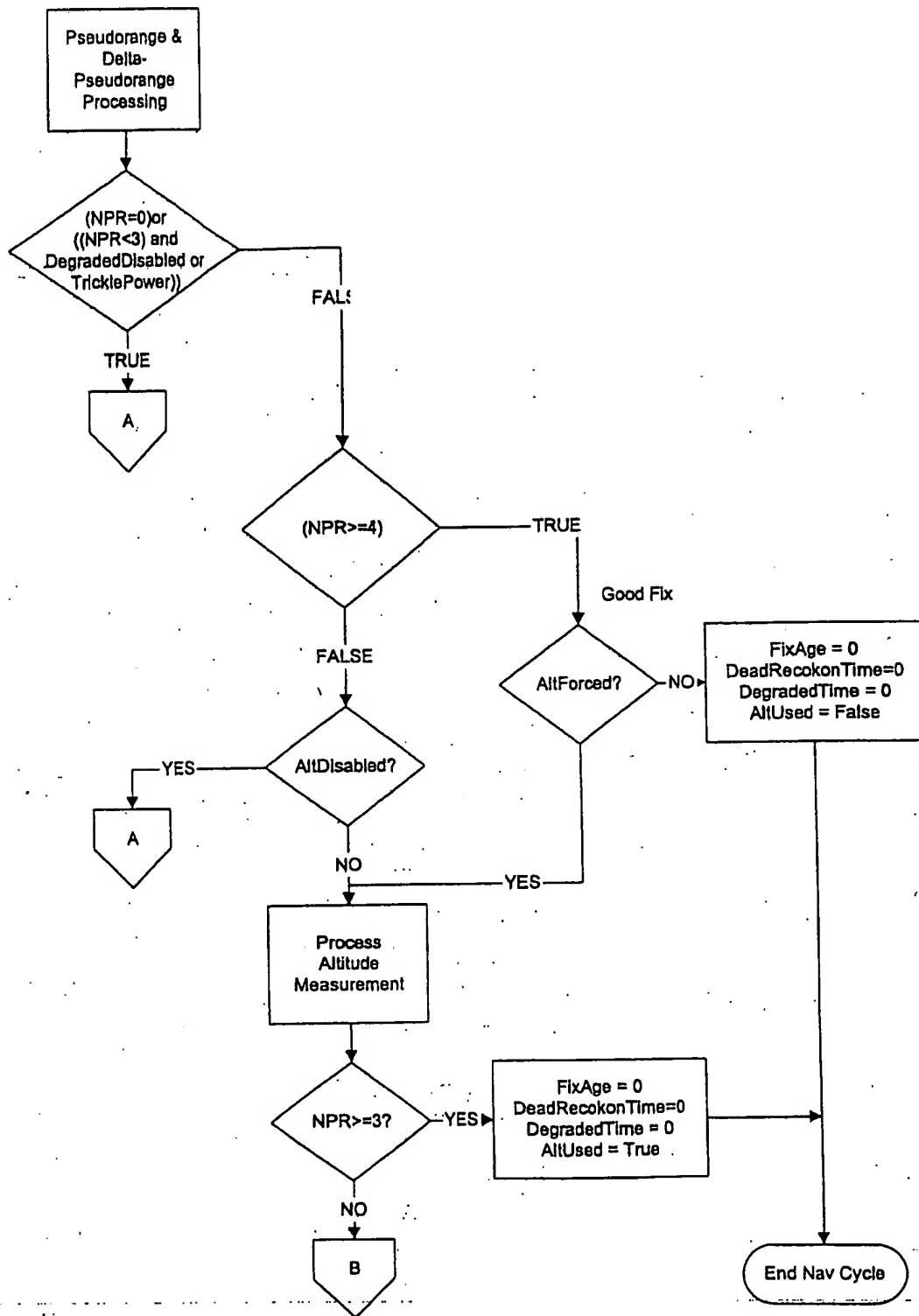


FIG. 6A

Dead-Reckoning Filter Processing Clean-up

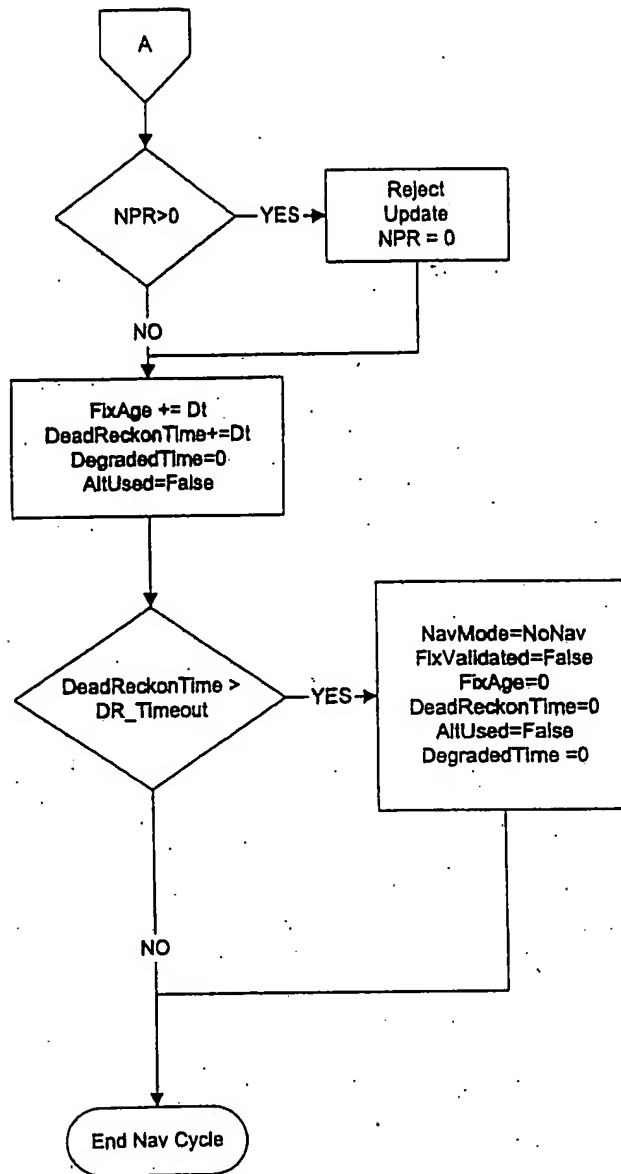


FIG. 6B

Degraded Mode Filter Processing

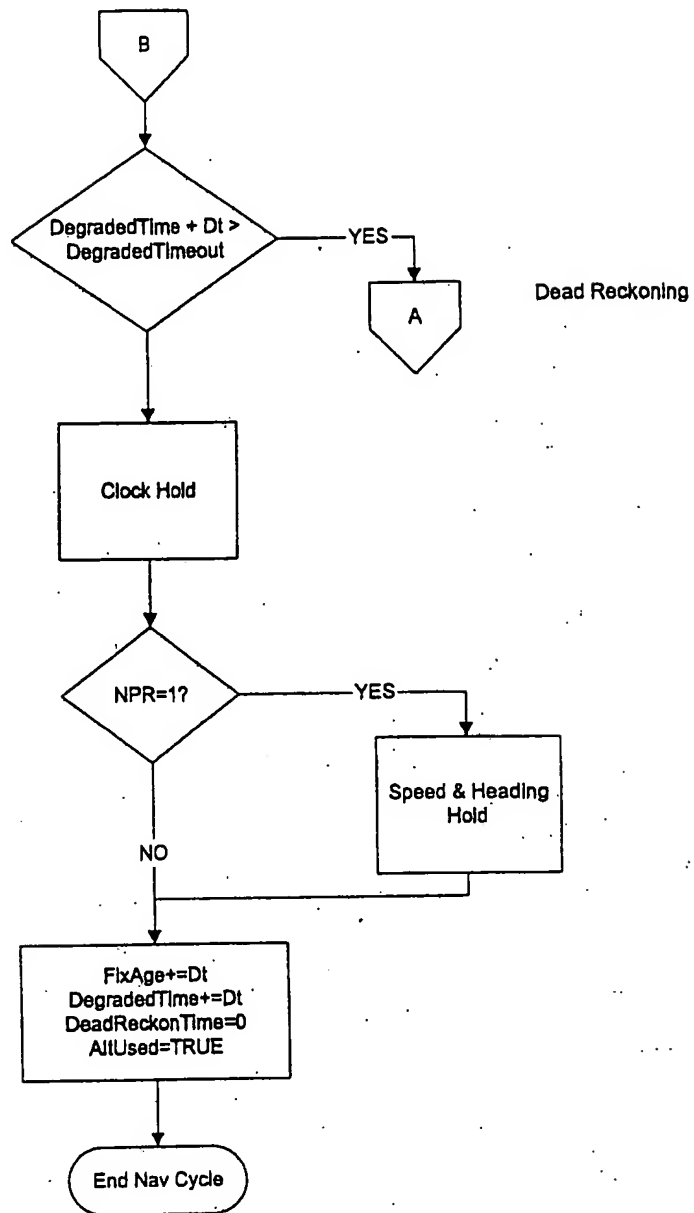
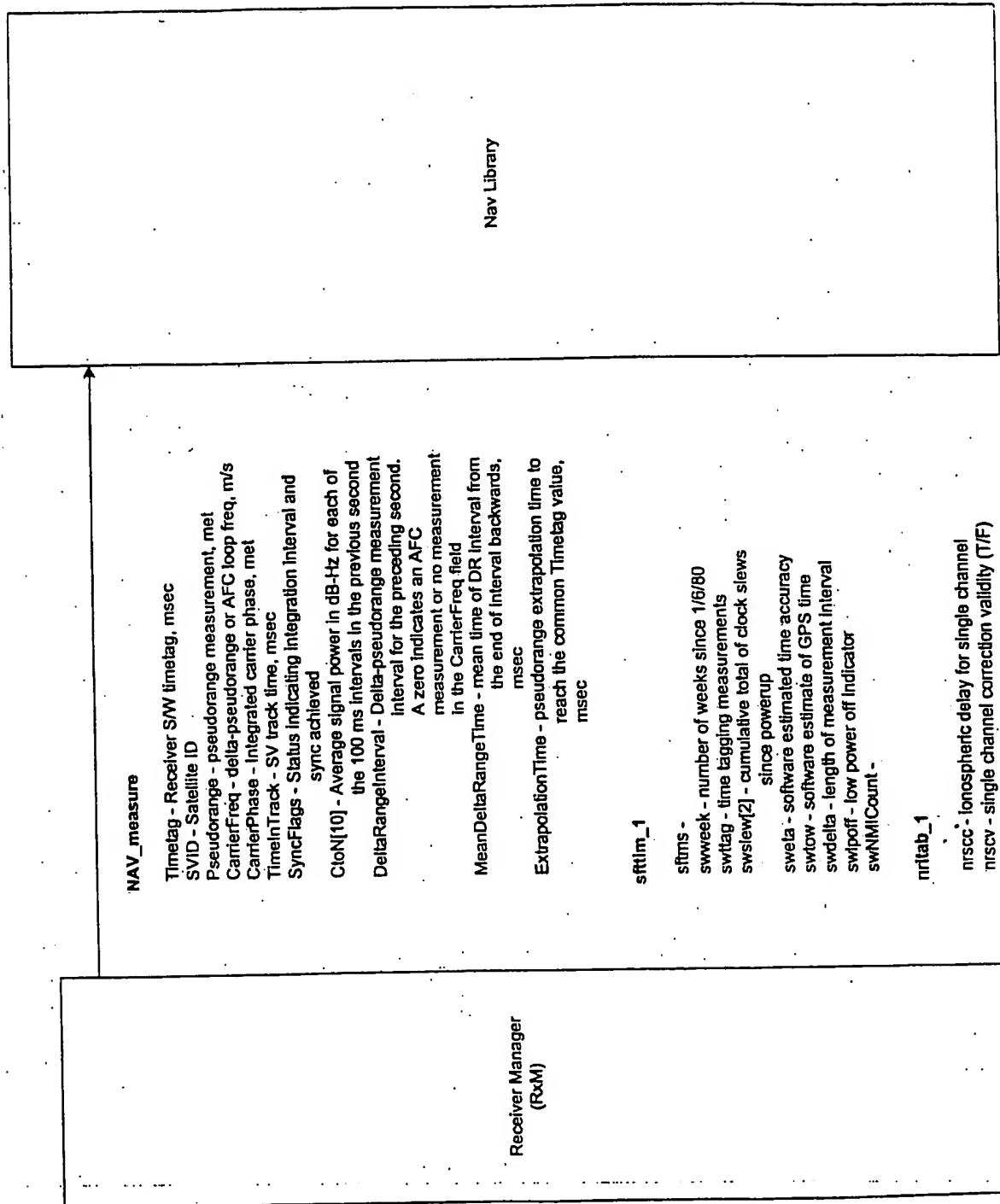


FIG. 6C

FIG.7



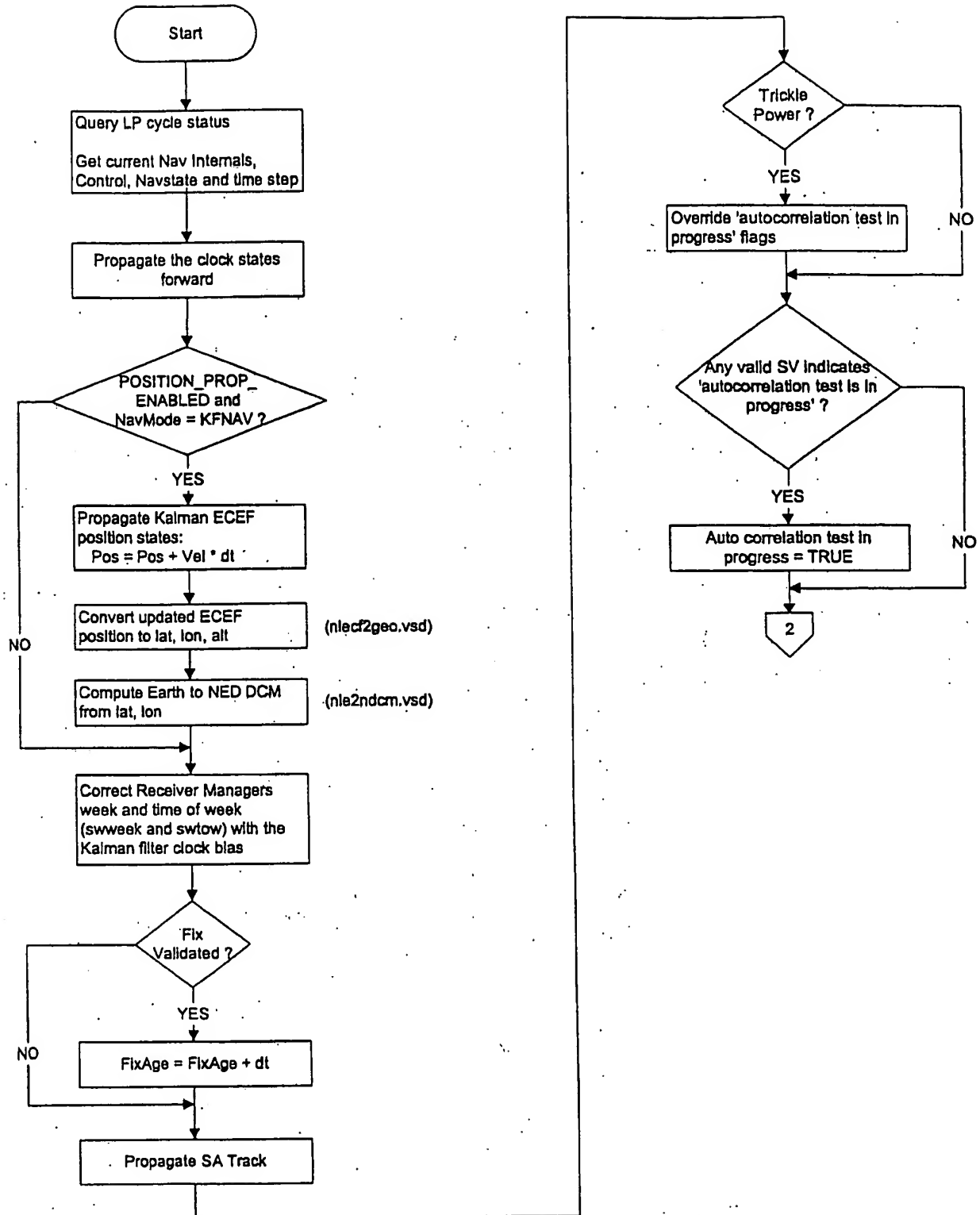


FIG. 8A

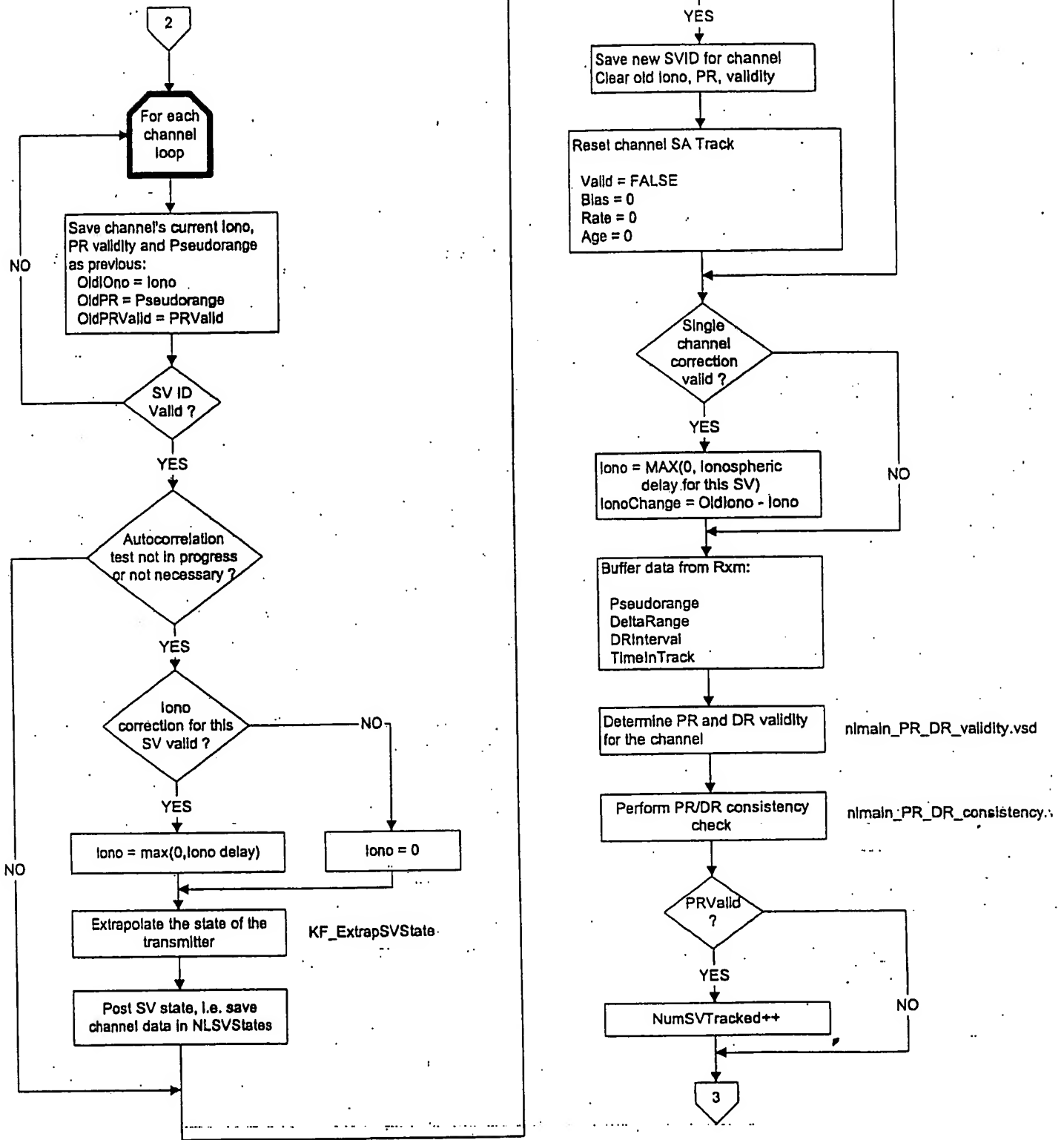


FIG. 8B

Nav Library Main

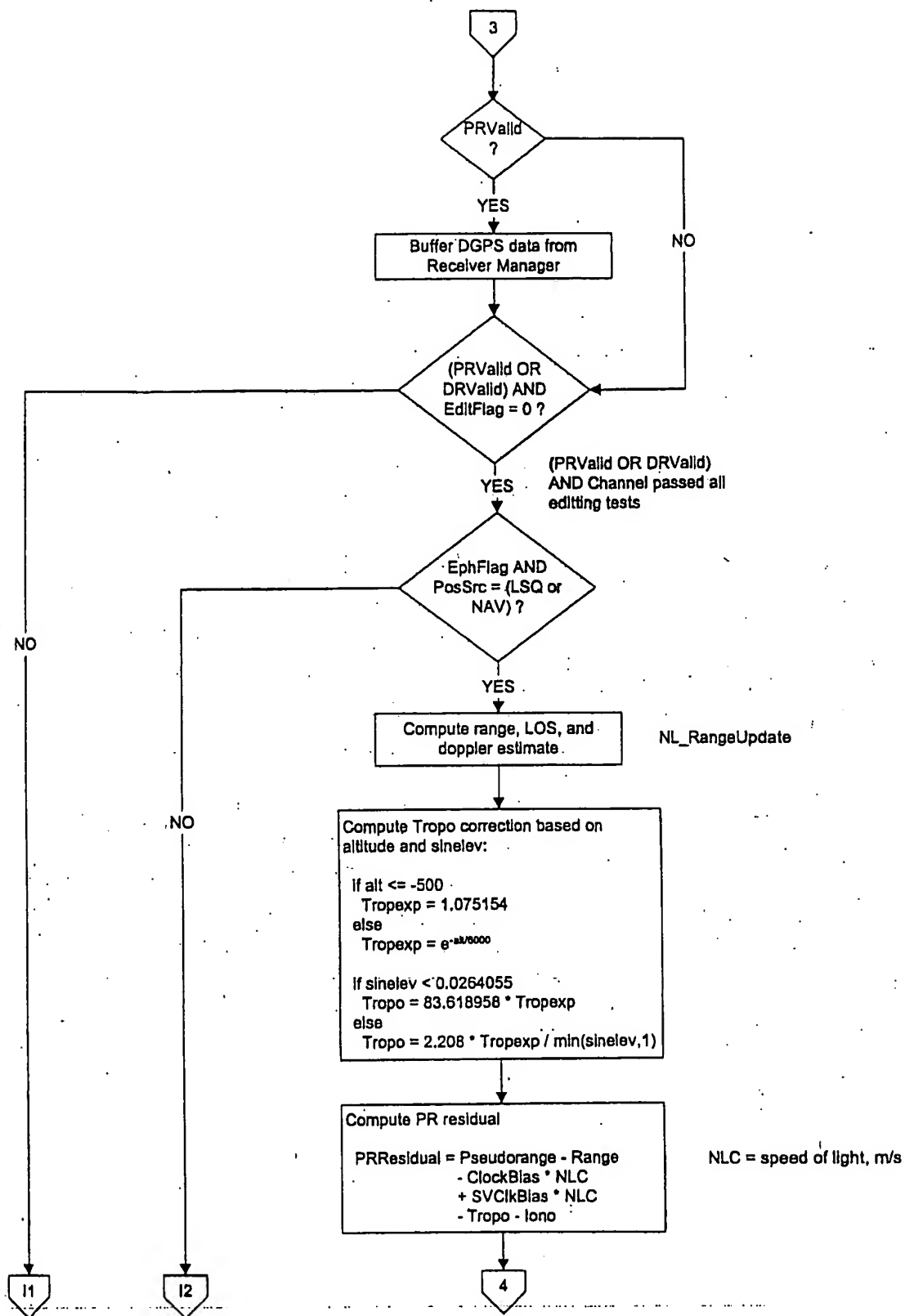


FIG. 8C

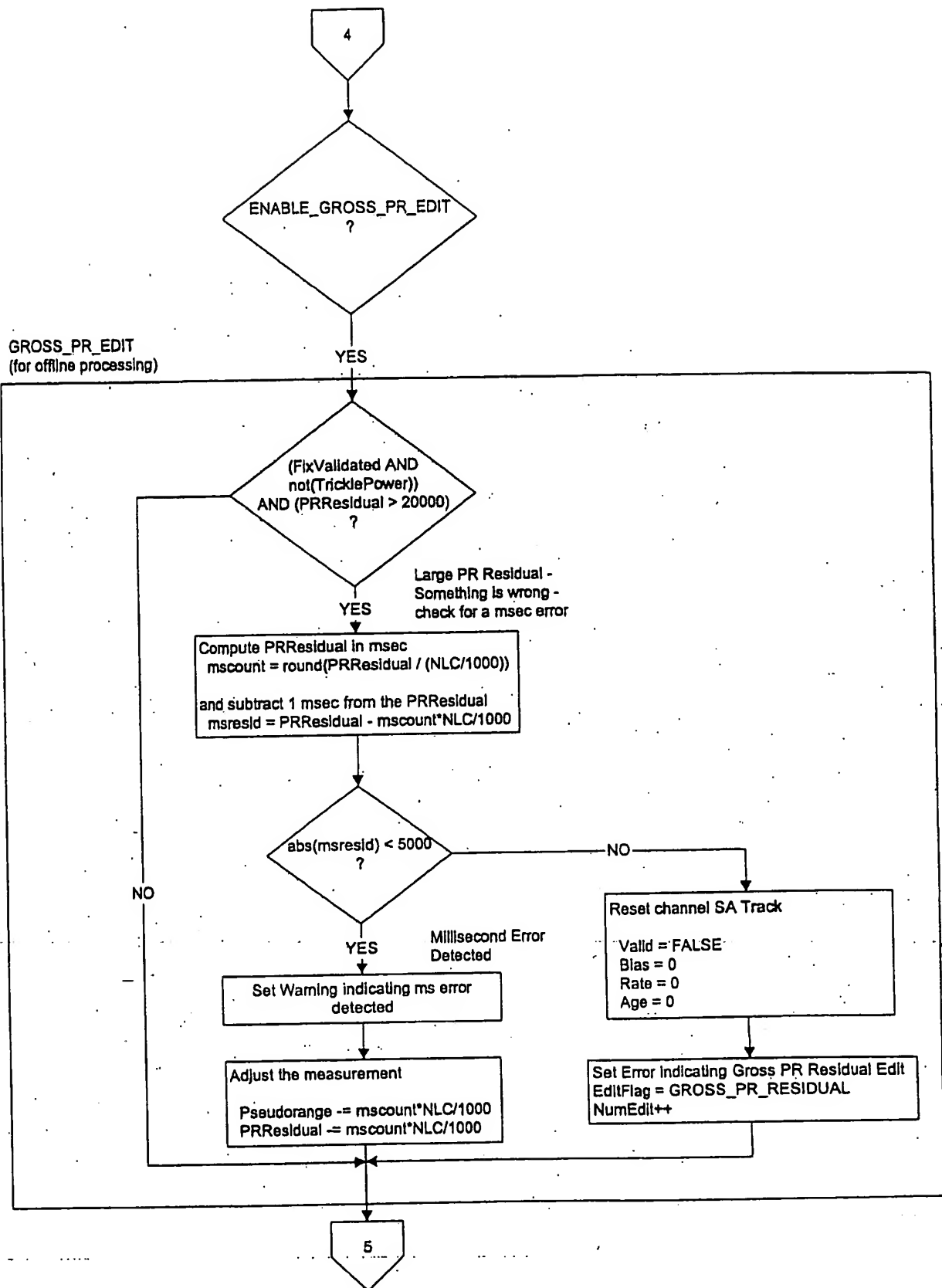


FIG. 8D

Nav Library Main

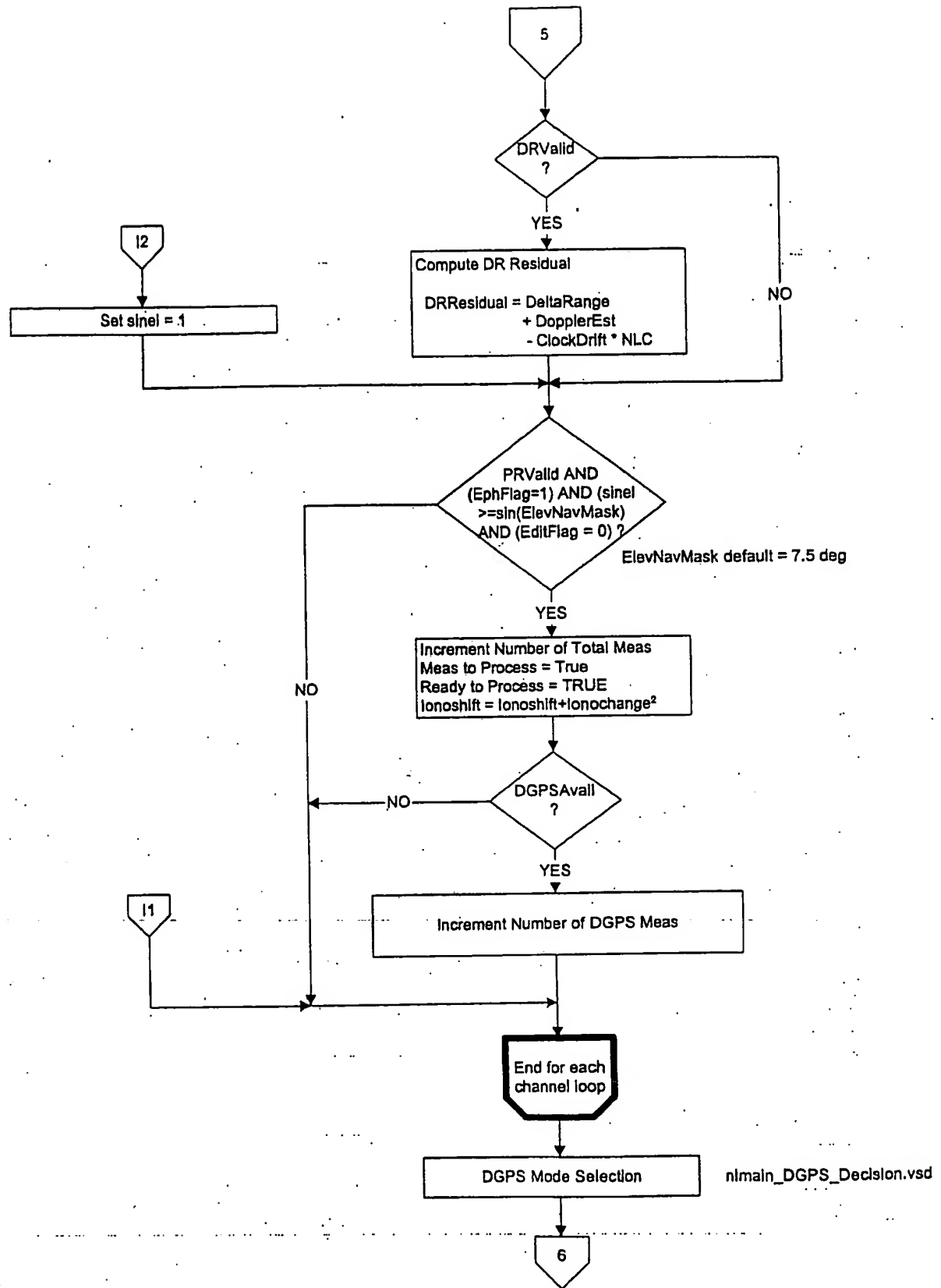


FIG. 8E

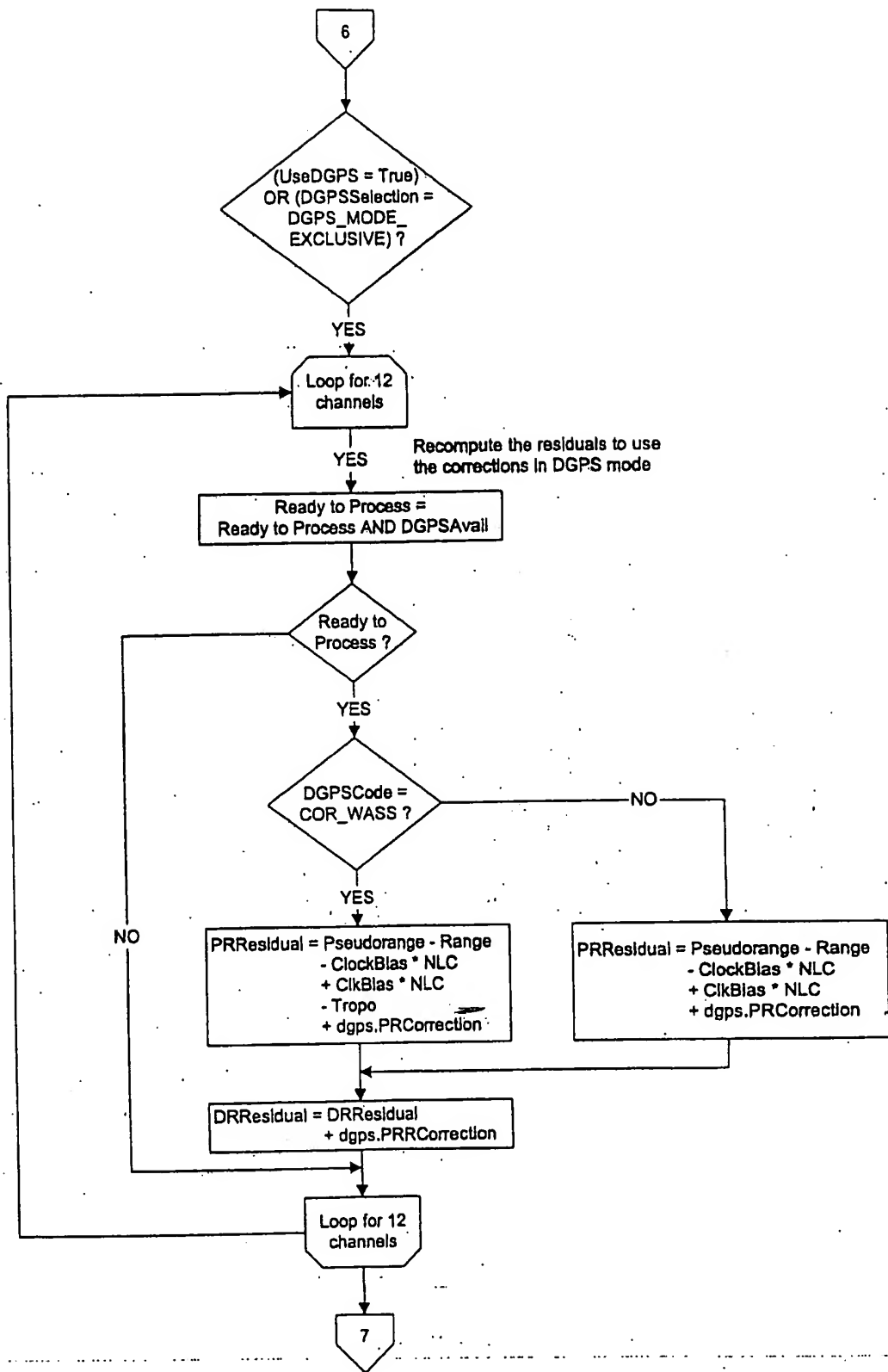


FIG. 8F

Nav Library Main

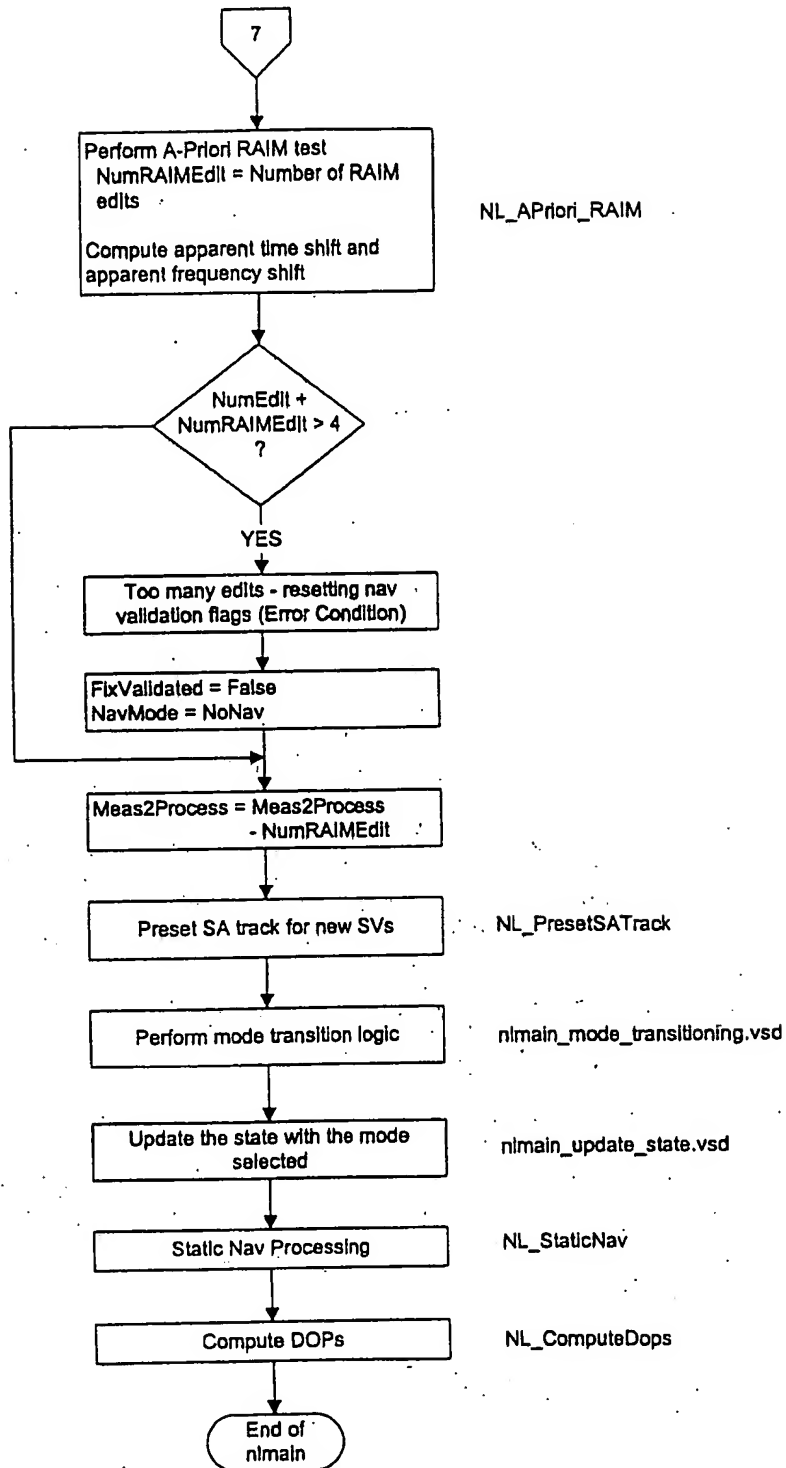


FIG. 8G

State Update

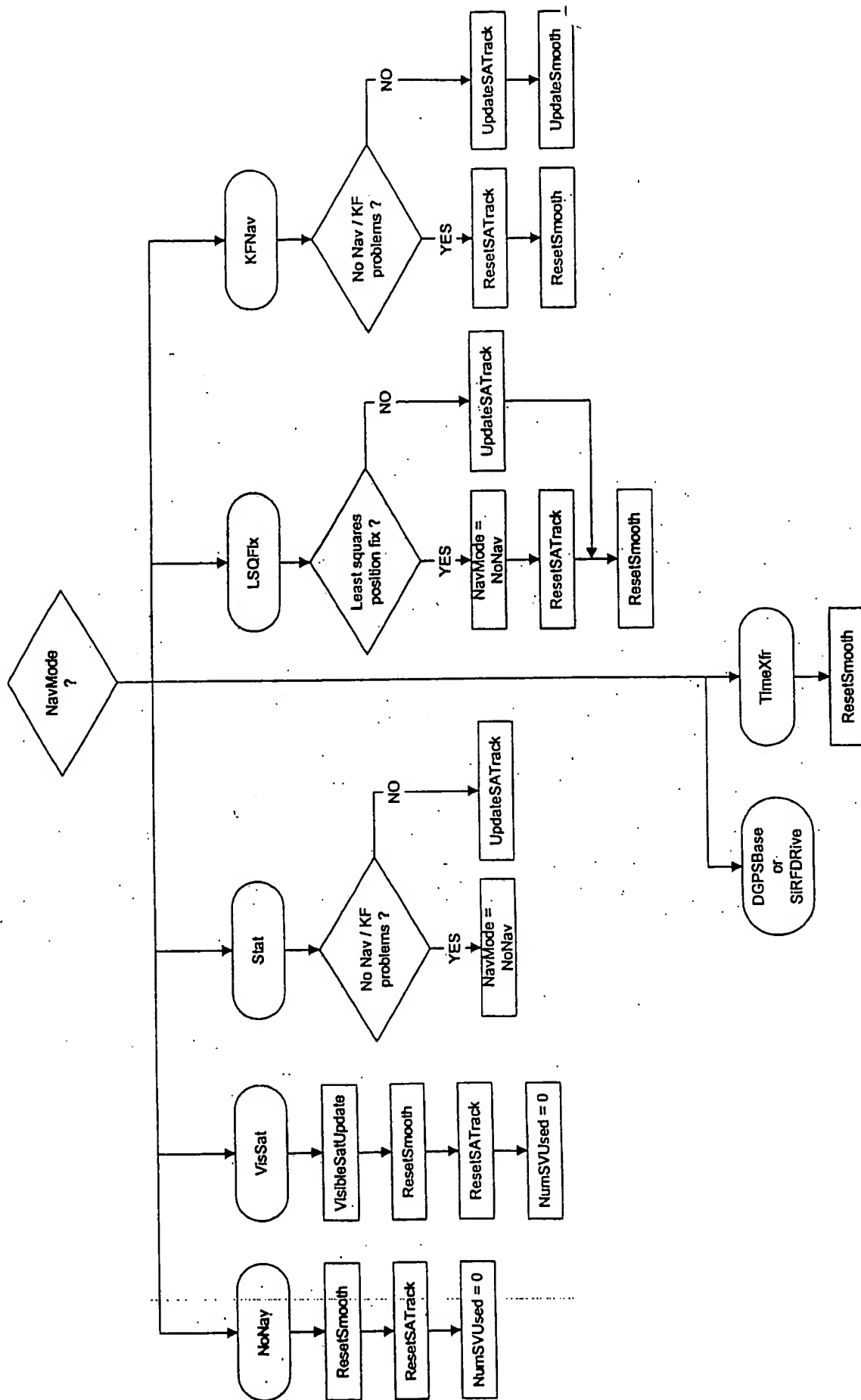


FIG. 9

Nav Mode Transitioning

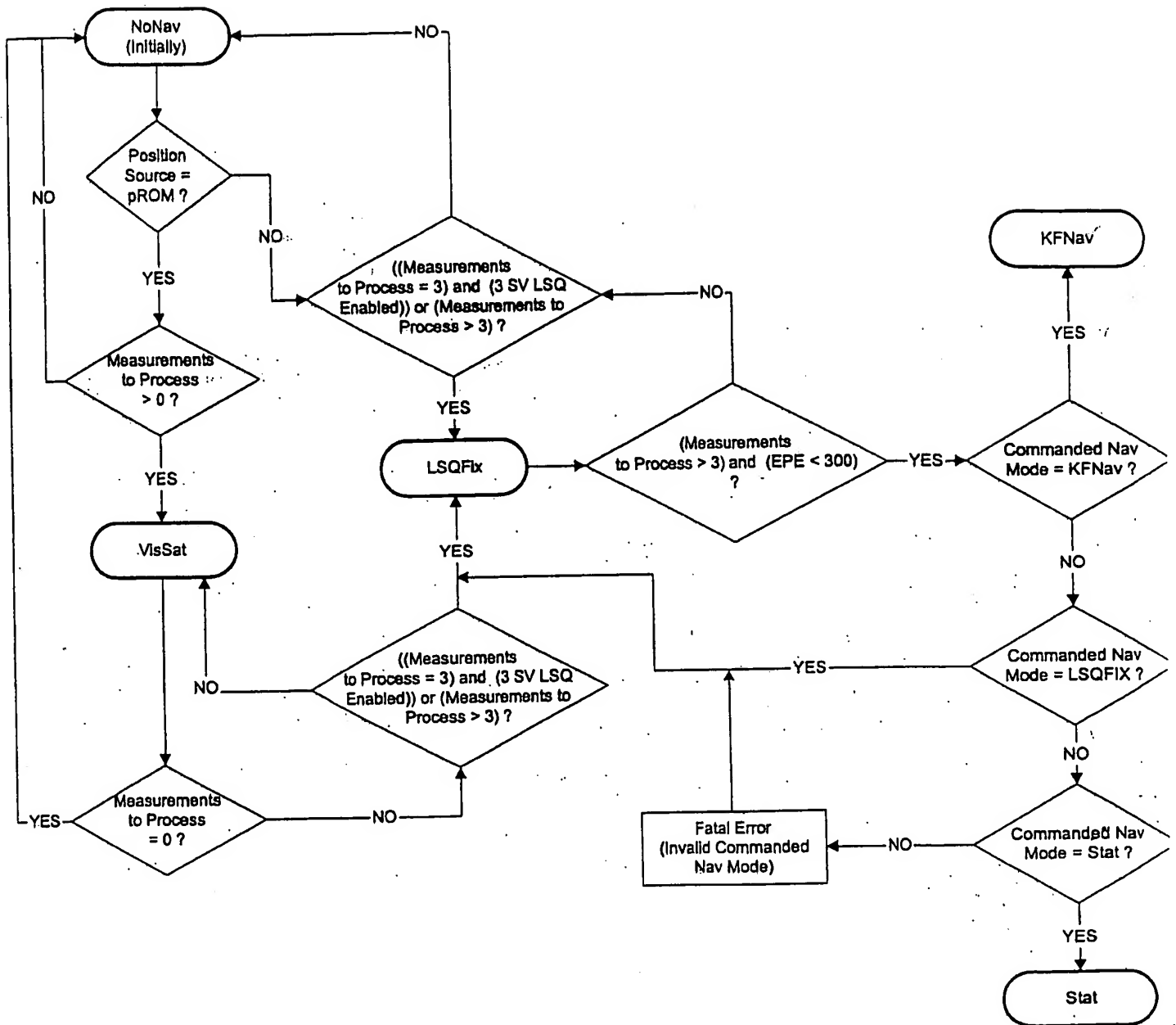


FIG.10